The listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

1.   (Currently Amended) A method of simulating network traffic, comprising:

filtering simulated network traffic utilizing known Ramsey numbers so as to provide a first predefined number of related messages and a second predefined number of unrelated messages; and

streaming the related messages and the unrelated messages to provide pseudo-network traffic.

2.   (Currently Amended) The method of Claim 1, wherein the first predefined number of related messages simulate buy messages wherein the second predefined number of unrelated messages simulate browse messages.

3.   (Currently Amended) The method of Claim 2, wherein the first predefined number of related messages comprises a clique of order m specified by a selected known Ramsey number and the second predefined number of unrelated messages comprises an independent set of order n specified by the known Ramsey number.

4.   (Original)   The method of Claim 3, further comprising the step of generating the simulated network traffic so as to provide a bundle of messages corresponding to the selected known Ramsey number.

5.   (Original)   The method of Claim 4, wherein the step of filtering comprises the steps of:

selecting m related messages from the bundle of messages corresponding to the selected known Ramsey number; and

selecting n unrelated messages from the bundle of messages.

6.   (Currently Amended) The method of Claim 5, further comprising the steps of:

ordering the selected m related messages;

chaining the selected m related messages; and

<u>wherein streaming the related messages and the unrelated messages comprises</u> streaming the m related messages and the n unrelated messages so as to provide pseudo-Internet traffic having buy and browse messages.

7.   (Original)   The method of Claim 5, further comprising the steps of:

monitoring the selection of the m related and the n unrelated messages to determine if the bundle of messages provides both the m related messages and the n unrelated messages; and

modifying the generation of the bundles of messages if monitoring the selection indicates that the bundle of messages fails to provide both the m related messages and the n unrelated messages.

8.   (Original)   The method of Claim 7, wherein the step of generating simulated network traffic comprises the step of generating simulated network traffic utilizing a plurality of non-linear functions and wherein the step of modifying the generation of the bundle of messages comprises the step of adding at least one additional non-linear function to the plurality of non-linear functions.

9.   (Currently Amended) The method of Claim 7, wherein the step of monitoring comprises monitoring the selection for a plurality of bundles and wherein the step of modifying comprises the step of modifying the generation of the bundles of messages if monitoring the selection indicates that a plurality of the ~~bundle~~ bundles of messages fails to provide both the m related messages and the n unrelated messages.

10.   (Original)   The method of Claim 1, wherein the known Ramsey numbers comprise at least one of known Ramsey numbers and Ramsey numbers known within bounds.

11.   (Currently Amended) A system for simulating network traffic, comprising:

means for generating simulated network traffic; ~~and~~

means for filtering the simulated network traffic utilizing known Ramsey numbers so as to provide a first predefined number of related messages and a second predefined number of unrelated messages; and

means for streaming the related messages and the unrelated messages to provide pseudo-network traffic.

12.   (Currently Amended) The system of Claim 11, wherein th the first predefined number of related messages simulate buy messages and a second predefined number of unrelated messages simulate browse messages.

13.   (Currently Amended) The system of Claim 12, wherein the first predefined number of related messages comprises a clique of order m specified by a selected known Ramsey number and the second predefined number of unrelated messages comprises an independent set of order n specified by the known Ramsey number.

14.   (Original)   The system of Claim 13, wherein the means for generating comprises means for generating simulated network traffic so as to provide a bundle of messages corresponding to the selected known Ramsey number.

15.   (Original)   The system of Claim 14, wherein the means for filtering comprises:

means for selecting m related messages from a bundle of messages corresponding to the selected known Ramsey number; and

means for selecting n unrelated messages from the bundle of messages.

16.   (Currently Amended) The system of Claim 15, further comprising:

means for ordering the selected m related messages;

means for chaining the selected m related messages; and

wherein the means for streaming comprises means for streaming the m related messages and the n unrelated messages so as to provide pseudo-Internet traffic including buy and browse messages.

17.   (Original)   The system of Claim 15, further comprising:

means for monitoring the selection of the m related and the n unrelated messages to determine if the bundle of messages provides both the m related messages and the n unrelated messages; and

means for modifying the generation of the bundles of messages if monitoring the selection indicates that the bundle of messages fails to provide both the m related messages and the n unrelated messages.

18.   (Original)   The system of Claim 17, wherein the means for generating simulated network traffic comprises means for generating simulated network traffic utilizing a plurality of non-linear functions and wherein the means for modifying the generation of the bundle of messages comprises means for adding at least one additional non-linear function to the plurality of non-linear functions.

19.   (Currently Amended) The system of Claim 17, wherein the means for monitoring comprises means for monitoring the selection for a plurality of bundles and wherein the means for modifying comprises means for modifying the generation of the bundles of messages if monitoring the selection indicates that a plurality of the ~~bundle~~ bundles of messages fails to provide both the m related messages and the n unrelated messages.

20.   (Original)   The system of Claim 12, wherein the known Ramsey numbers comprise at least one of known Ramsey numbers and Ramsey numbers known within bounds.

21.   (Currently Amended) A computer program product for simulating network traffic, comprising:

a computer readable medium having computer readable program code embodied therein, the computer readable program code comprising:

computer readable program code which generates simulated network traffic; ~~and~~

computer readable program code which filters the simulated network traffic utilizing known Ramsey numbers so as to provide a first predefined number of related messages and a second predefined number of unrelated messages; and

computer readable program code which streams the related messages and the unrelated messages to provide pseudo-network traffic.

22.   (Original)   The computer program product of Claim 21, wherein the first predefined number of related messages simulate buy messages and the second predefined number of unrelated messages simulate browse messages.

23.   (Currently Amended) The computer program product of Claim 22, wherein the first predefined number of related messages comprises a clique of order m specified by a selected known Ramsey number and the second predefined number of unrelated messages comprises an independent set of order n specified by the known Ramsey number.

24.   (Original)   The computer program product of Claim 23, wherein the computer readable program code which generates comprises computer readable program code which generates simulated network traffic so as to provide a bundle of messages corresponding to the selected known Ramsey number.

25.   (Original)   The computer program product of Claim 24, wherein the computer readable program code which filters comprises:

computer readable program code which selects m related messages from a bundle of messages corresponding to the selected known Ramsey number; and

computer readable program code which selects n unrelated messages from the bundle of messages.

26.   (Currently Amended) The computer program product of Claim 25, further comprising:

      computer readable program code which orders the selected m related messages;

      computer readable program code which chains the selected m related messages; and

      <u>wherein the computer readable program code which streams comprises </u>computer readable program code which streams the m related messages and the n unrelated messages so as to provide pseudo-Internet traffic including buy and browse messages.

27.   (Original)   The computer program product of Claim 25, further comprising:

      computer readable program code which monitors the selection of the m related and the n unrelated messages to determine if the bundle of messages provides both the m related messages and the n unrelated messages; and

      computer readable program code which modifies the generation of the bundles of messages if monitoring the selection indicates that the bundle of messages fails to provide both the m related messages and the n unrelated messages.

28.   (Original)   The computer program product of Claim 27, wherein the computer readable program code which generates simulated network traffic comprises computer readable program code which generates simulated network traffic utilizing a plurality of non-linear functions and wherein the computer readable program code which modifies the generation of the bundle of messages comprises computer readable program code which adds at least one additional non-linear function to the plurality of non-linear functions.

29.   (Currently Amended) The computer program product of Claim 27, wherein the computer readable program code which monitors comprises computer readable program code which monitors the selection for a plurality of bundles and wherein the computer readable program code which modifies comprises computer readable program code which modifies the generation of the bundles of messages if monitoring the selection indicates that a plurality of the ~~bundle~~ bundles of messages fails to provide both the m related messages and the n unrelated messages.

30.   (Original)   The computer program product of Claim 22, wherein the known Ramsey numbers comprise at least one of known Ramsey numbers and Ramsey numbers known within bounds.